| Index o | f Claims |
|---------|----------|
|         |          |

| Application No. | Applicant(s)     |
|-----------------|------------------|
| 10/644,253      | MCGLINCHY ET AL. |
| Examiner        | Art Unit         |
| John C. Hong    | 3726             |

| ✓  | Rejected | - | (Through numeral)<br>Cancelled |
|----|----------|---|--------------------------------|
| II | Allowed  | + | Restricted                     |

| N | Non-Elected  | A | Appeal   |
|---|--------------|---|----------|
| ı | Interference | 0 | Objected |

| Claim             | Date                                              |                 |                         |                |                                                | Claim Date |                    |            |          |          |                 |          |          | Claim Date |          |                                                   |          |                |          |             |            |            |         |                    |                |          |           |          |
|-------------------|---------------------------------------------------|-----------------|-------------------------|----------------|------------------------------------------------|------------|--------------------|------------|----------|----------|-----------------|----------|----------|------------|----------|---------------------------------------------------|----------|----------------|----------|-------------|------------|------------|---------|--------------------|----------------|----------|-----------|----------|
| Final<br>Original | 7                                                 |                 |                         |                |                                                |            |                    |            | Final    | Original |                 |          |          |            |          |                                                   |          |                |          | Final       | Original   |            |         |                    |                |          |           |          |
|                   | 64                                                |                 |                         | $\perp$        | $\perp$                                        | $\perp$    | Ш                  |            |          |          | Ц               | $\perp$  | _        | _          | $\perp$  | 1                                                 | _        | $\perp$        | _        |             |            | $\perp$    | 4       |                    |                |          | $\dashv$  |          |
| 1                 | 1                                                 | 1               | $\sqcup$                | 4              | 4                                              |            | $\perp$            | <u> </u>   | _        | 51       | $\vdash$        | -        | -        | 4          | -        | $\dashv$                                          | -        | -              | 4        | <u> </u>    | 101        | $-\!\!\!+$ | +-      | ╄                  | ╀              | Ш        | -         | +        |
| 2                 | -                                                 | ╁—              | $\vdash$                | 4              | -                                              |            | $\vdash$           | <u> </u>   |          | 52       | $\vdash \vdash$ | -        | -        | -          | $\dashv$ | $\dashv$                                          | $\dashv$ | $\dashv$       | 4        | -           | 102        |            | +-      | +                  | ├              | H        | $\dashv$  | +        |
| 3                 | 44-                                               | ╀               | -                       | +              | -                                              | +          | -                  | -          | $\dashv$ | 53       | $\vdash$        |          | +        | -+         | $\dashv$ | $\dashv$                                          | -        | -              | -        | -           | 103<br>104 | -          | +       | ╁                  | ╀              | Н        | $\dashv$  |          |
| 5                 | ₩                                                 | ╁               | $\vdash$                | +              | -                                              |            | +                  | -          |          | 54<br>55 | Н               | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | -                                                 | +        | -+             | ┥        | -           | 105        | +          | +       | +                  | ╁╌             |          | -         | $\dashv$ |
| 6                 | <del>                                      </del> | +-              | $\vdash$                | $\dashv$       | +                                              |            | +                  | -          | -        | 56       | Н               | ᆉ        | $\dashv$ | $\dashv$   | -+       | -+                                                | $\dashv$ | +              | $\dashv$ | -           | 106        |            | ╁       | ╁                  | ╁              | $\vdash$ | $\dashv$  | +        |
| 7                 | ╫┼                                                | ╁╌              |                         | +              |                                                | +          | +                  | -          | $\dashv$ | 57       |                 | +        | ┪        | $\dashv$   | -        | -+                                                | +        | +              | $\dashv$ | -           | 107        | -          | +       | ╁                  | $\vdash$       | $\vdash$ | -         |          |
| 8                 | H                                                 | -               |                         | $\dashv$       | _                                              | +-         | +                  | -          | $\dashv$ | 58       |                 | 一        | +        | $\dashv$   | 十        | 十                                                 | +        | -              | ┨        |             | 108        | $\dashv$   | +       | +                  | $\vdash$       | H        | $\dashv$  |          |
| 9                 | $\Pi \Gamma$                                      | 1               |                         | $\dashv$       | $\dashv$                                       | $\top$     | T                  |            | 一        | 59       |                 |          | 7        | 1          | T        | 寸                                                 | T        | T              | ╛        |             | 109        |            | $\top$  | $\top$             |                | П        | $\exists$ | $\top$   |
| 10                | 111                                               | T               |                         | 7              | 十                                              |            | П                  |            |          | 60       |                 | $\neg$   |          |            |          | $\neg$                                            |          |                | 1        |             | 110        | $\neg$     |         | 1                  | Г              |          | T         | $\top$   |
| 11                | Ш                                                 | 1               |                         | $\neg$         |                                                |            |                    |            |          | 61       |                 |          |          |            |          |                                                   |          |                |          |             | 111        |            |         |                    |                |          |           |          |
| 12                | Ш                                                 |                 |                         |                |                                                |            |                    |            |          | 62       |                 |          |          |            |          |                                                   |          |                |          |             | 112        |            |         |                    |                |          | $\Box$    |          |
| 13                |                                                   |                 |                         |                |                                                |            |                    |            |          | 63       |                 |          |          |            |          | $\perp$                                           |          |                | _        |             | 113        |            | $\perp$ | _                  | _              |          |           |          |
| 14                |                                                   | <u> </u>        |                         | $\perp$        | $\perp$                                        |            | Ш                  | L          | $\perp$  | 64       | $\sqcup$        | _[       | _        | [          | [        |                                                   | _        |                | _        |             | 114        | $\perp$    | 4       | 1                  | <u> </u>       | Ш        | _         | $\bot$   |
| 15                |                                                   | _               | $\sqcup$                | 4              | _ _                                            |            | Ш                  |            | _        | 65       | Щ               | _        | _        |            | _        | _                                                 | 4        | _              | 4        | <u> </u>    | 115        | _          | 4       | $\perp$            | <u> </u>       | Ш        | $\dashv$  |          |
| 16                | Ш.                                                | ↓_              | $\sqcup$                | 4              | _                                              |            | ┷                  |            |          | 66       | $\sqcup$        | 4        | 4        | _          | 4        | 4                                                 | _        | _              | _        | ļ           | 116        | _          | $\bot$  | $\perp$            | <u> </u>       | Ш        | _         |          |
| 17                | ₩.                                                | ┼-              | $\vdash$                | -              |                                                | -          | $\vdash$           | <u> </u>   | _        | 67       |                 | -        | $\dashv$ | _          | -        | -                                                 | 4        | +              | 4        | -           | 117        | -          | +       | ╀                  | ⊢              | $\vdash$ | $\dashv$  | +        |
| 18                |                                                   | -               | $\vdash$                | +              | -                                              | -          | 4                  | <u> </u>   | -        | 68       | Н               | $\dashv$ | -        | -          | -        | $\dashv$                                          | $\dashv$ | -              | -        | <u> </u>    | 118        | -          | +       | +                  | <b>├</b>       | $\vdash$ | $\dashv$  |          |
| 19                |                                                   |                 |                         | +              | +                                              | -          | +                  | <b> </b> - | $\dashv$ | 69<br>70 | Н               |          | +        | -+         | $\dashv$ | $\dashv$                                          | +        | -              | -        | -           | 119<br>120 | -          | +       | +                  | -              | $\vdash$ | -         |          |
| 20                | ┼┼├-                                              | -               |                         | $\dashv$       |                                                |            | +                  | -          | -        | 71       |                 | $\dashv$ | $\dashv$ | +          | $\dashv$ | $\dashv$                                          | $\dashv$ | +              | ╣        |             | 121        | -          | +       | ╁                  | ⊢              | Н        | $\dashv$  | +        |
| 21                | <del>        -</del>                              | +-              |                         | +              | +                                              | +          | +                  | -          | -        | 72       | $\vdash$        | +        | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$                                          | $\dashv$ | +              | ┥        | -           | 122        | -          | +-      | +                  | ┢╌             | Н        | $\dashv$  | +        |
| 23                | ╁╂╌                                               | $\vdash$        | H                       | +              | +                                              | $\dashv$   | +                  | -          | -        | 73       | $\dashv$        | ┪        | ┪        | ╅          | -+       | +                                                 | $\dashv$ | +              | $\dashv$ | $\vdash$    | 123        | -          | +       | +                  | $\vdash$       | Н        | -         | +        |
| 24                | <del>                                     </del>  | +               | $\vdash$                | +              | +                                              | $\dashv$   | +                  | -          | -+       | 74       | $\vdash$        | _        | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$                                          | $\dashv$ | 十              | ┪        | -           | 124        | -+         | +       | +                  | ┢              | Н        | $\dashv$  | +        |
| 25                | <del> ,  -</del>                                  |                 | $\vdash$                | +              | +                                              | -          | +                  | -          | _        | 75       |                 | _        | $\dashv$ | $\dashv$   | 寸        | 寸                                                 | +        | +              | ╛        |             | 125        |            | 十       | $\top$             | t              | П        | 寸         | +        |
| 26                | <del>                                      </del> | $\vdash$        | $\vdash$                | $\dashv$       | $\dashv$                                       |            | $\top$             | -          | 一        | 76       | $\Box$          |          | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$                                          | _        | $\top$         | 7        |             | 126        |            | 十       | $\dagger$          | T              | П        | ヿ         | $\dashv$ |
| 27                | $\Pi$                                             | $\top$          |                         | 十              | $\top$                                         | $\top$     | $\Box$             |            | ヿ        | 77       |                 | $\neg$   | 寸        | 寸          | 寸        | $\neg$                                            | 寸        | 7              | 7        |             | 127        |            |         | $\top$             |                | П        | ヿ         | $\top$   |
| 28                |                                                   | $\top$          |                         | _              | 寸                                              | _          | $\top$             |            | $\neg$   | 78       |                 | ヿ        | $\neg$   |            | 7        |                                                   | 7        | $\neg$         | 7        |             | 128        |            | T       | $\top$             | T              | П        |           |          |
| 29                | V                                                 |                 |                         | $\neg$         | $\neg$                                         |            | $\Box$             |            |          | 79       |                 |          |          |            |          |                                                   |          |                |          |             | 129        |            |         |                    |                |          |           |          |
| 30                |                                                   |                 |                         | $\perp$        |                                                |            | $\square$          |            |          | 80       |                 |          |          |            |          |                                                   |          |                |          |             | 130        |            |         | $\perp$            | L              | Ш        | $\perp$   | $\bot$   |
| 31                |                                                   |                 |                         |                |                                                |            | Ш                  | ` L        |          | 81       |                 |          |          | _          | _        |                                                   | _        | _ _            | _        |             | 131        |            | $\perp$ | $oldsymbol{\perp}$ | ┖              | Ш        | $\dashv$  | $\bot$   |
| 32                | <u> </u>                                          |                 | $\sqcup$                | 4              | _                                              |            | $\perp$            | $\perp$    |          | 82       |                 | _        |          | $\dashv$   |          | _                                                 | 4        | _              | 4        | <u></u>     | 132        | $\perp$    | $\bot$  | <u> </u>           | <u> </u>       | Ш        | _         | $\bot$   |
| 33                | . ↓                                               | $oxed{igspace}$ | $\perp \downarrow$      | 4              | _                                              |            | ┷                  | $\perp$    | _        | 83       | $\sqcup$        | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ |                                                   | 4        | -              | 4        | <u> </u>    | 133        | _          | _       | ╄                  | <u> </u>       |          | 4         |          |
| 34                | $\vdash$                                          | +-              |                         | +              | +                                              | -          | +                  | $\vdash$   |          | 84       | $\vdash$        |          | $\dashv$ | +          | $\dashv$ | +                                                 | $\dashv$ | +              | $\dashv$ | $\vdash$    | 134        | -+-        | +       | ╀                  | ⊬              | $\vdash$ | $\dashv$  | +        |
| 35<br>36          | ┼-┼-                                              | +               | $\vdash$                | +              | +                                              | -          | +                  | -          | -        | 85<br>86 | $\vdash$        | +        | +        | $\dashv$   | $\dashv$ | +                                                 | +        | +              | $\dashv$ | <del></del> | 135<br>136 | +          | +-      | ╁                  | +-             | $\vdash$ | $\dashv$  | +        |
| 37                | <del>                                     </del>  | +               | $\vdash$                | +              | +                                              |            | ╁╾╢                | $\vdash$   | $\dashv$ | 87       | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$                                          | $\dashv$ | +              | $\dashv$ | $\vdash$    | 137        | -          | +       | ╁                  | +-             | $\vdash$ | $\dashv$  | +        |
| 38                | <del>                                     </del>  | $\vdash$        | $\vdash$                | +              | +                                              | +          | +                  | $\vdash$   | $\dashv$ | 88       | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$   | -+       | $\dashv$                                          | +        | $\dashv$       | $\dashv$ | -           | 138        | +          | +-      | +                  | <del>  -</del> | $\vdash$ | -         |          |
| 39                | - -                                               | +               | $\vdash$                | $\dashv$       | $\dashv$                                       | $\dashv$   | ╁┼                 | $\vdash$   | $\dashv$ | 89       | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$                                          | $\dashv$ | +              | ┨        | -           | 139        | -+         | +       | $\dagger$          | H              |          | $\dashv$  | +        |
| 40                | <del>                                     </del>  | +-              | $\vdash +$              | +              | $\dashv$                                       | +          | $\vdash$           | $\vdash$   |          | 90       | $\vdash$        | -+       | -        | $\dashv$   | $\dashv$ | $\dashv$                                          | $\dashv$ | $\dashv$       | ┪        | $\vdash$    | 140        | -          | +       | $\dagger$          | $t^-$          | $\vdash$ | $\dashv$  |          |
| 41                | +                                                 | +-              | -                       | $\dashv$       | $\dashv$                                       | $\top$     | Н                  | $\vdash$   | $\dashv$ | 91       |                 | +        | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$                                          | $\dashv$ | $\dashv$       | ┪        |             | 141        | $\dashv$   | $\top$  | T                  | t              | $\Box$   | $\dashv$  | $\top$   |
| 42                |                                                   | 1               | $\vdash$                | 7              | $\dashv$                                       | 1          | Н                  | H          | $\neg$   | 92       |                 | 7        | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$                                          | $\top$   | $\top$         | ┪        |             | 142        |            | $\top$  | T                  | 1              | П        | $\exists$ | _        |
| 43                |                                                   |                 |                         | $\top$         | $\dashv$                                       | 1          | $\sqcap$           |            | $\neg$   | 93       | $\Box$          | 寸        | $\dashv$ | $\dashv$   | 一        | $\exists$                                         | $\dashv$ | ヿ              | ٦        |             | 143        |            |         | T                  | T              |          | $\neg$    | $\top$   |
| 44                |                                                   | Ι               |                         | I              | $\Box$                                         |            | П                  |            |          | 94       |                 |          |          |            |          |                                                   |          |                |          |             | 144        |            |         |                    |                |          | $\Box$    |          |
| 45                |                                                   |                 |                         | $\Box$         | $\Box$                                         |            |                    |            |          | 95       |                 |          |          | $\Box$     |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |                |          |             | 145        |            |         |                    | L              |          | $\Box$    |          |
| 46                |                                                   | $\Box$          |                         | $\perp \Gamma$ | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$ | $\Box$     |                    |            |          | 96       |                 | $\Box$   | $\Box$   |            |          | $\perp$                                           | _[       | $\perp \Gamma$ | _        |             | 146        |            | 1       | Ĺ                  |                |          | $\prod$   |          |
| 47                |                                                   | $\perp$         | Щ                       |                |                                                |            | Ш                  | L          | [        | 97       | Ш               | $\bot$   |          | $\perp$    | _        |                                                   | $\perp$  | $\perp$        | 4        |             | 147        |            | _       | 丄                  | <u> </u>       | Ш        | _         |          |
| 48                | $\perp \perp$                                     | $\perp$         | $oxed{oxed}$            | $\perp$        |                                                |            | $\perp$            | _          |          | 98       | $\sqcup$        |          | _        | _          | _        | 4                                                 | _        | _              | 4        | L           | 148        | $\dashv$   | 1       | _                  | 1_             | Ш        | _         |          |
| 49                | $\perp$                                           | -               | Щ.                      | $\perp$        | _                                              | _          | Н                  | L          | _        | 99       | $\sqcup$        | 4        | 4        | _          | _        | _                                                 | 4        | _ _            | 4        | <u></u>     | 149        | _          | +       | ╀                  | -              | $\vdash$ | 4         |          |
| 50                |                                                   | Ш               | $\sqcup \! \! \! \perp$ | _1             | $\bot$                                         |            | $oldsymbol{\perp}$ | L          |          | 100      |                 | $\perp$  | $\bot$   |            |          | $\perp$                                           | $\bot$   |                |          | L           | 150        |            |         | <u>L</u>           | <u>L</u>       | Ļ        | $\perp$   |          |